

Authors

Bradford Dunham

William and Mary College: B.A., 1943; Harvard University: M.A., 1948; Ph.D., 1950. Joined IBM Physical Research Department in January 1955 as an Associate Logician. He is presently an Advisory Logician studying the theory of information processing at the Poughkeepsie Research Center. He was awarded Harvard University's Sheldon Traveling Fellowship in 1948; first prize by the Institute for Unity of Science in an international essay contest, topic: "Mathematical Logic as a Tool of Analysis, Its Uses and Achievements in the Sciences and Philosophy." He was an instructor at Duke University 1950-1953 and is a member of Phi Beta Kappa.

Ernest D. Foss

B.S.E.E., Northeastern University, 1948. Joined IBM 1949 and was in the Machine Development Department in the Poughkeepsie Engineering Laboratory. He is now a Development Engineer in computer development at the Poughkeepsie Product Development Laboratory.

Midhat J. Ghazala (Gazale)

B.S. in Telecommunications Engineering, Cairo University, 1951; also was graduated from the Ecole Supérieure d'Electricité, Paris, 1953. Joined IBM France in 1956 and is associated with the Advanced Research Department. He has a temporary assignment with the Information Research Group at the Poughkeepsie Research Center. He is a member of the Société Française des Electriciens.

Warren B. Harding

A.B. in Mathematics, Wabash College, 1955. Joined IBM in August 1956 and is an Assistant Mathematician-Programmer in the Scientific Computation Laboratory in Endicott.

Ervand George Kogbetliantz

Sorbonne, University of Paris: Docteur ès Sciences, 1923. Is Professor of Mathematics at The New School for Social Research (Graduate Faculty). Joined IBM in June 1952 at the New York Scientific Computing Center as consulting mathematician. Has also been engaged in (a) interpretation of gravimetric and magnetic anomalies with the aid of electronic computing equipment, and (b) research on the most economical mathematical procedures for the computation of elementary functions with

computers. Was awarded the Order of Scientific Merit (Nshan Elmi) by the Iranian Government in 1938 for the organization of Teheran University and for the teaching of Celestial Mechanics, Applied Geophysics and various branches of higher Mathematics, 1933-1938. Active member of the American Mathematical Society and the Society of Exploration Geophysicists.

Robert W. Murphy

B.S. in Chemistry, Rensselaer Polytechnic Institute, 1942; M.S. in Physics, Polytechnic Institute of Brooklyn, 1949. Joined IBM in December 1950; was manager of 702 and 705 Engineering Planning Group; presently studying the theory of automata in the Information Research Department, Poughkeepsie Research Center.

Ralph S. Partridge

B.S.E.E., Illinois Institute of Technology, 1950. Joined IBM the same year as an EAM Customer Engineer and was later transferred to Poughkeepsie to the Tape Processing Machine Group. Present work is on the IBM 738 Core Storage Unit, Poughkeepsie Product Development Laboratory.

W. Wesley Peterson

University of Michigan: A.B. 1948; B.S.E. 1949; M.S.E. 1950; Ph.D. 1954. Research Associate with University of Michigan Engineering Research Institute, August 1950-July 1954. Joined IBM at Poughkeepsie in 1954, where he worked in the 705 Planning Department and the Information Research Department. Since September 1956, he is Assistant Professor of Electrical Engineering at the University of Florida, and consultant to IBM on Information Theory. He is a member of the IRE, AIEE, American Mathematical Society, and Sigma Xi.

Peter J. Price

Studied physics at Oxford and Cambridge Universities, obtaining a Ph.D. in theoretical physics from the latter in 1951. Subsequently research assistant to the late Fritz London at Duke University, and a member of the Institute for Advanced Study at Princeton before joining IBM in 1953. Since then he has been a member of the physics group of Watson Research Laboratory at Columbia University. Principal technical interests are quantum theory, statistical mechanics and thermodynamics; prin-

cial fields of research are liquid helium and semi-conductors.

Martin Schatzoff

B.A. in Economics, Brooklyn College, 1950; M.B.A. in Statistics, New York University, 1952. Joined IBM in October 1955 as a Mathematician-Programmer in the Scientific Computation Laboratory, Endicott; in August 1956 was appointed Group Leader of Statistical Section; in October 1956 was made Associate Statistician. He is a member of Phi Beta Kappa and the American Statistical Association.

Leonard D. Seader

B.S.E.E., University of California at Berkeley, 1952. Joined IBM in 1955 and is presently engaged in the development of low-level switching systems at the IBM Research Laboratory, San Jose, California. He is a member of the IRE, Tau Beta Pi, Sigma Xi, and Phi Beta Kappa.

William Y. Stevens

Bates College: B.S., June 1953; Cornell University: M.S., September 1955. Worked at IBM Poughkeepsie Research Center in summer of 1956 in Project STRETCH on transistor circuit development. He is a member of the IRE.

Harold B. von Horn

Northwestern University: Ph.B. in Mathematics, 1955; University of Wisconsin: M.S. in Mathematics, 1956. Joined IBM July 1956 and is presently engaged as a Mathematician-Programmer in the Transistor Section of Project STRETCH at the Poughkeepsie Product Development Laboratory. He is a member of Pi Mu Epsilon.

James L. Walsh

B.S.E.E., University of Rhode Island, 1949; M.A., Hofstra College, 1952. Joined IBM March 1952; now working with Transistor Circuit Group, Project STRETCH, at the Poughkeepsie Product Development Laboratory. He is a member of the IRE.